

**NOTICE OF DRAFTSPERSON'S  
INFORMATION CONCERNING CHANGES  
PATENT DRAWING REVIEW**

E. Correction of Inadequacies - 37 CFR 1.88

The drawing(s) filed (insert date) 11/17/99 are:

- approved by the Draftsperson under 37 CFR 1.84 or 1.152.  
 objected to by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. The Examiner will require submission of new corrected drawings when necessary. Corrected drawing must be submitted according to the instructions on the back of this notice.

Information concerning changes in the drawings may be communicated to the Office by the Inventor's name, docket number (if any), and the name and telephone number of a person to call if the Office

is unable to contact the Inventor directly. See 37 CFR 1.88(b)(1) and 37 CFR 1.88(c).

1. DRAWINGS: 37 CFR 1.84(e): Acceptable categories of drawings.

Black ink.  Abbreviations may be used in drawings.

Color drawings acceptable until patent is granted.

Fig(s) \_\_\_\_\_

Pencil and ink not permitted. Fig(s) \_\_\_\_\_

2. PHOTOGRAPHS. 37 CFR 1.84 (b)

1 full-tone set is required. Fig(s) \_\_\_\_\_

Photographs not properly mounted (must use bristol board or photographic double-weight paper). Fig(s) \_\_\_\_\_

Fair quality (half-tone). Fig(s) \_\_\_\_\_

3. TYPE OF PAPER. 37 CFR 1.84(e)

White paper, flexible, strong, white and durable. Collected of drawings with slides numbers & letters not uniformly thick and well defined, clean, durable, and black (poor line quality).

Fig(s) \_\_\_\_\_

Erasures, alterations, overwritings, interlineations, etc., not permitted.

Office application must contain less than 10% copy/marking marks not accepted. Fig(s) \_\_\_\_\_

Mylar, vellum paper, not acceptable (too thin).

Fig(s) \_\_\_\_\_

4. SIZE OF PAPER. 37 CFR 1.84(f): Acceptable sizes:

21.0 cm by 29.7 cm (DIN size A4)

21.6 cm by 27.9 cm (8 1/2 x 11 inches)

All drawing sheets not the same size.

Sheet(s) \_\_\_\_\_

Drawings sheets not an acceptable size. Fig(s) \_\_\_\_\_

5. MARGINS. 37 CFR 1.84(g): Acceptable margins:

Top 2.5 cm Left 2.5cm Right 1.5 cm Bottom 1.0 cm

SIZE: A4 Size

Left 2.5cm Right 1.5 cm Bottom 1.0 cm

SIZE: 8 1/2 x 11 be limited. No margins will be at least 32 cm (14 inch) in height. 37 CFR 1.84(g)

Margins not acceptable. Fig(s) \_\_\_\_\_

Top (T) \_\_\_\_\_ Bottom (B) \_\_\_\_\_

Right (R) \_\_\_\_\_ Bottom (B) \_\_\_\_\_

6. VIEWS. 37 CFR 1.84(h)

REMINDER: Specification may require revision to correspond to drawing changes.

Partial views. 37 CFR 1.84(h)(2)

Brackets needed to show figure as one entity.

Fig(s) \_\_\_\_\_

Views not labeled separately or properly.

Fig(s) \_\_\_\_\_

Enlarged view not labeled separately or properly.

Fig(s) \_\_\_\_\_

7. SECTIONAL VIEWS. 37 CFR 1.84 (h)(3)

Hatching not indicated for sectional portions of an object.

Fig(s) \_\_\_\_\_

Sectional designation should be noted with Arabic or Roman numbers. Fig(s) \_\_\_\_\_

10. CHARACTER OF LINES, NUMBERS, & LETTERS.  
37 CFR 1.84(i)

Appropriate for reproduction.

Letters and numbers not uniform, thick and well defined, clean, durable, and black (poor line quality).

Fig(s) \_\_\_\_\_

Erasures, alterations, overwritings, interlineations, etc., not permitted.

Office application must contain less than 10% copy/marking marks not accepted. Fig(s) \_\_\_\_\_

Below 10% copy/marking marks not permitted. Fig(s) \_\_\_\_\_

Solid black areas pale, Fig(s) \_\_\_\_\_

Solid black shading not permitted. Fig(s) \_\_\_\_\_

Shaded lines, pale, rough and blurred. Fig(s) \_\_\_\_\_

Abbreviations

12. NUMBERS, LETTERS, & REFERENCE CHARACTERS.  
37 CFR 1.84(j)

Letters and numbers not plain and legible.

Fig(s) \_\_\_\_\_

Figures legends are poor. Fig(s) \_\_\_\_\_

Numbers and reference characters not oriented in the correct direction.

Fig(s) \_\_\_\_\_

English alphabet not used. 37 CFR 1.84(j)(2)

All characters to the drawing, other than titles, must be in English.

Fig(s) \_\_\_\_\_

Figures not numbered consecutively, and in Arabic numerals beginning with number 1. Sheet(s) \_\_\_\_\_

14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(l)

Sheets not numbered consecutively, and in Arabic numerals beginning with number 1. Sheet(s) \_\_\_\_\_

15. NUMBERING OF VIEWS. 37 CFR 1.84(u)

Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) \_\_\_\_\_

16. CORRECTIONS. 37 CFR 1.84(w)

Corrections not made from prior PTO-948 dated \_\_\_\_\_

17. DESIGN DRAWINGS. 37 CFR 1.152

Surface shading shown not appropriate. Fig(s) \_\_\_\_\_

Solid black shading not used for color contrast. Fig(s) \_\_\_\_\_

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**COMMENTS**

REVIEWER \_\_\_\_\_

D.O

DATE 12/12/99 TELEPHONE NO. \_\_\_\_\_

ATTACHMENT TO PAPER NO. 18

NOTICE OF DRAWING CHANGES  
INFORMATION ON HOW TO EFFECT DRAWING CHANGES  
DRAWING REVIEW BRANCH

**1. Correction of Informalities--37 CFR 1.85**

File new drawings with the changes incorporated therein. The application number or the title of the invention, inventor's name, docket number (if any), and the name and telephone number of a person to call if the Office is unable to match the drawings to the proper application, should be placed on the back of each sheet of drawings in accordance with 37 CFR 1.84(e). Applicant may delay filing of the new drawings until receipt of the Notice of Allowability (PTO-37). Extensions of time may be obtained under the provisions of 37 CFR 1.136. The drawing should be filed as a separate paper with a transmittal letter addressed to the Drawing Processing Branch.

**2. Timing for Corrections**

Applicant is required to submit acceptable corrected drawings within the three-month shortened statutory period set in the Notice of Allowability (PTO-37). If a correction is determined to be unacceptable by the Office, applicant must arrange to have acceptable corrections resubmitted within the original three-month period to avoid the necessity of obtaining an extension of time and paying the extension fee. Therefore, applicant should file corrected drawings as soon as possible.

Failure to take corrective action within set (or extended) period will result in **ABANDONMENT** of the Application.

**3. Corrections other than Informalities Noted by the Drawing Review Branch on the Form PTO-948**

All changes to the drawings, other than informalities noted by the Drawing Review Branch, **MUST** be approved by the examiner before the application will be allowed. No changes will be permitted to be made other than correction of informalities, unless the examiner has approved the proposed changes.

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**COMMENTS**

**REVIEWER**

**ATTACHMENT TO PAPER NO.**

**TELEPHONE NO.**

**DATE**

**Q.D.**

**18**